

# SIEMENS

## SIREMOBIL

**SP**

System Manual

### **Installation Instructions**

Installation of the Key Switch

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English

Doc. Gen. Date: 12.02

Print No.: SPR2-130.812.06.01.02

Replaces: n.a.

## Safety information



### **WARNING**

**Avoidance of light to severe injuries which may even lead to death and avoidance of material damage.**

**The product-specific safety information given in the system manual as well as the safety information contained in the ARTD, part 2, must be observed.**

**After all work has been completed and all covers have been attached, perform the protective conductor test according to ARTD-002.731.17. The protective conductor resistance must not exceed 0.2 Ohm.**

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## Validity of this document

This document is applicable if a key switch is to be retrofitted to the SIREMOBIL Compact, SIREMOBIL Compact L, SIREMOBIL Iso-C, POWERMOBIL, and ARCOSKOP systems.

## Documents required

- System manual of the product

## Parts required

- Retrofit kit key switch 07140895

## Tools required

- Tool case
- 1 set of Allen keys
- 1 drilling machine
- 1 vacuum cleaner

## Measuring equipment required

- Protective conductor resistance meter  
e. g. "Safety Tester Bender UNIMET 1000 ST", Mat. No. 51 38 727

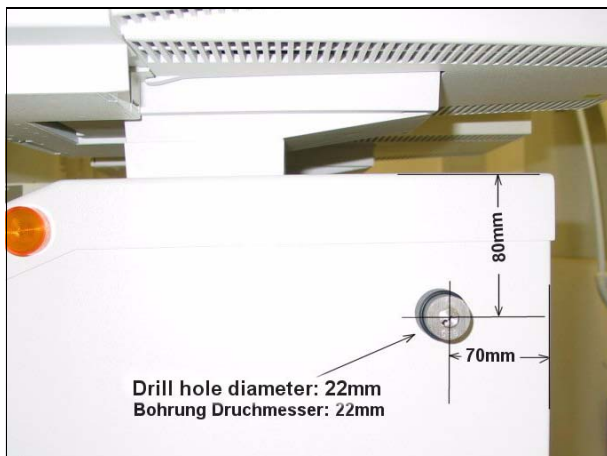


Fig. 1



Fig. 2

## Mechanical installation

### **⚠ WARNING**

**Avoidance of light to serious injuries which may even lead to death and avoidance of material damage.**

**Prior to performing the retrofit work, disconnect the system from the power supply, and pull out the power plug.**

### **Note**

**Drill slowly. Make sure that during this process the step drill is held at a right angle.**

**Collect the drilling chips inside the monitor trolley with an appropriate pad (such as cloth or plastic foil) to avoid short circuits due to metal chips.**

- Open the paneling of the logbook compartment.
- Open the rear paneling of the monitor trolley.
- A protective plate pointing towards the keyboard is installed inside the logbook compartment. Unscrew this plate. Thus, the On/Off button is accessible.
- Mark the drill hole according to Fig. 1.
- Drill a 3.5 mm hole at the marked position (Fig. 1).
- Increase the hole diameter to 22 mm with the step drill (Fig. 1).
- Remove the remaining drilling chips in the monitor trolley with a vacuum cleaner.

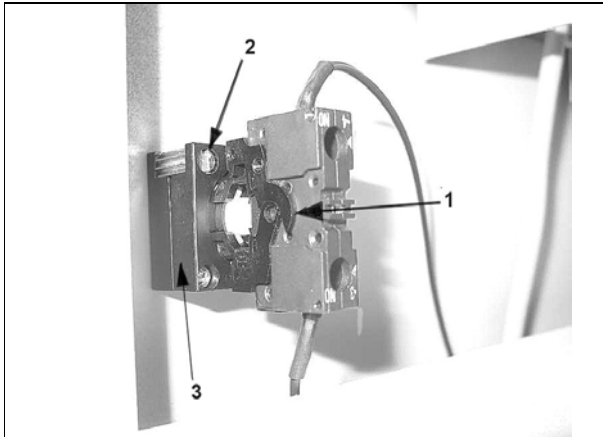


Fig. 3

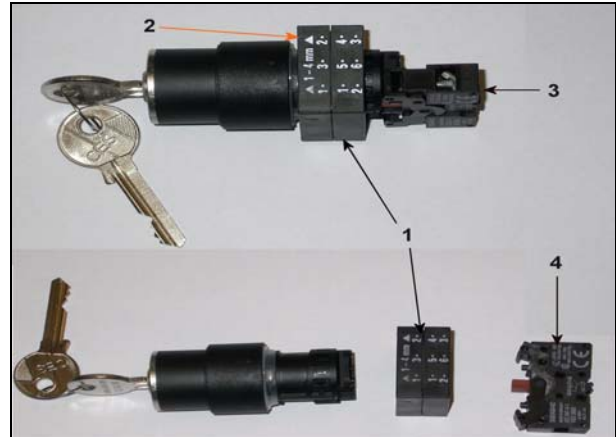


Fig. 4

### Note

The key switch is delivered ready to assemble (Fig. 4).

For different plate thicknesses, the clamp fitting (1/Fig. 4) can be pushed onto the key switch at two positions.

Make sure that the clamp fitting is installed with the arrows of the lettering ▲1-4 mm▲ pointing towards the key switch (2/Fig. 4).

Tighten the screw of the clamp fitting (2/Fig. 3) clockwise and loosen it counterclockwise.

After having pressed the latch (1/Fig. 3) in the direction of the arrow the switch top (4/Fig. 4) of the key switch can be removed.

The switch top can be placed on the key switch in three different positions and then locked. In the center position the switch is not actuated by the cams. Therefore, the switch top must be placed off-center on the key switch and locked into place (3/Fig. 4).

- Insert the key switch into the hole from the outside. Make sure that the "0" mark at the switch is in the vertical position.
- Slide the clamp fitting from the inside on the key switch.  
The arrows of the lettering ▲1-4 mm▲ point towards the protective plate.
- Tighten the screw (1/Fig. 3) clockwise, until the key switch is fixed firmly in the hole.
- Do not yet install the switch top (4/Fig. 4).

## Wiring

<b>Note</b>
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**The cable between the power buttons (On/Off button at the control console of the monitor trolley) and the switch-on circuit D50 is replaced by the cable included in the scope of supply.**

- Unplug the three-pin connector from the power button.
- Unplug connector D50.X5 on board D50.
- With the SIREMOBIL Iso-C, POWERMOBIL, and ARCOSKOP systems, the cable is additionally equipped with the connector X5B. Remove it from the coupling as well.
- Run the new cable corresponding to the existing cable in the monitor trolley.
- Reconnect the 3-pin connector to the power button at the control console of the monitor trolley.
- Run the two additionally existing cable ends to the key switch, and connect them to the switch top of the key switch.
- Place the switch top off-center on the key switch and press it down, until it locks into place.
- Plug in connector D50.X5 on board D50 again.
- With the SIREMOBIL Iso-C, POWERMOBIL, and ARCOSKOP systems, additionally re-insert the connector X5B in the coupling.

## Functional test

- Connect the system to the power supply.
- Check the function of the key switch:
  - Turn the key switch into position 0. Press the On button at the monitor trolley and at the basic unit, if existing.  
*Both times the system must remain switched off.*
  - Switch on the key switch and press the On button at the monitor trolley.  
*The system is started.*
  - After the end of startup, switch the system off. If the basic unit is equipped with an On button, switch the system on again at the control console of the basic unit after it has shut down.  
*The system is started.*
  - Turn the key switch into position 0.  
*The system switches off.*
- After system shut-down, disconnect it from the power supply, and pull out the power plug.

### Installing the paneling

- Reattach the protective plate behind the keyboard in the logbook compartment. Take care that the cables are not squeezed.
- Refit the paneling of the logbook compartment. Make sure the ground wire connections are correct when doing this.
- Reinstall the rear paneling of the monitor trolley. Make sure the ground wire connections are correct when doing this.

### Final work

- After all work has been completed and all covers have been attached perform the protective conductor test according to ARTD-002.731.17... The protective conductor resistance must not exceed 0.2 Ohm.
- Add these instructions to the system manual of the product.
- File the Addendum/Supplement to the Operating Instructions included in the scope of supply into the existing operating instructions.

### Customer information

- Demonstrate the function of the key switch.
- Hand over the keys.
- Hand over the operating instructions.